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|--|-----------------|-------------------|--|
| <b>Issue Classification</b><br> | Application No. | Applicant(s)      |  |
|  | 10/643,842      | SIMPSON, ROGER T. |  |
|  | Examiner        | Art Unit          |  |
|  | Zelalem Eshete  | 3748              |  |

| ISSUE CLASSIFICATION         |          |   |   |                    |                                   |       |  |  |  |  |
|------------------------------|----------|---|---|--------------------|-----------------------------------|-------|--|--|--|--|
| ORIGINAL                     |          |   |   | CROSS REFERENCE(S) |                                   |       |  |  |  |  |
| CLASS                        | SUBCLASS |   |   | CLASS              | SUBCLASS (ONE SUBCLASS PER BLOCK) |       |  |  |  |  |
| 123                          | 90.17    |   |   | 123                | 90.15                             | 90.31 |  |  |  |  |
| INTERNATIONAL CLASSIFICATION |          |   |   |                    |                                   |       |  |  |  |  |
| F                            | 0        | 1 | L |                    |                                   |       |  |  |  |  |
|                              |          |   |   | 1/34               |                                   |       |  |  |  |  |
|                              |          |   |   | /                  |                                   |       |  |  |  |  |
|                              |          |   |   | /                  |                                   |       |  |  |  |  |
|                              |          |   |   | /                  |                                   |       |  |  |  |  |
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|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <i>Zelalem Eshete</i><br>9/20/04<br>(Assistant Examiner) (Date) |  | <b>THOMAS DENION</b><br><b>SUPERVISORY PATENT EXAMINER</b><br><b>TECHNOLOGY CENTER 3700</b><br>(Primary Examiner) (Date)<br><i>Thomas Denion</i> 9/21/04 |  | Total Claims Allowed: 8<br>O.G. Print Claim(s) 1<br>O.G. Print Fig. 7a |  |
|---|--|--|--|--|--|

|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       |          |
|---|----------|--|-------|----------|--|-------|----------|--|-------|------------------------------|--|-------------------------------|----------|---------------------------------|-------|----------|
| <input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |  |       |          |  |       |          |  |       | <input type="checkbox"/> CPA |  | <input type="checkbox"/> T.D. |          | <input type="checkbox"/> R.1.47 |       |          |
| Final   | Original |  | Final | Original |  | Final | Original |  | Final | Original                     |  | Final                         | Original |                                 | Final | Original |
| 1   | 1        |  |       | 31       |  |       | 61       |  |       | 91                           |  |                               | 121      |                                 |       | 151      |
| 2   | 2        |  |       | 32       |  |       | 62       |  |       | 92                           |  |                               | 122      |                                 |       | 152      |
| 3   | 3        |  |       | 33       |  |       | 63       |  |       | 93                           |  |                               | 123      |                                 |       | 153      |
| 4   | 4        |  |       | 34       |  |       | 64       |  |       | 94                           |  |                               | 124      |                                 |       | 154      |
| 5   | 5        |  |       | 35       |  |       | 65       |  |       | 95                           |  |                               | 125      |                                 |       | 155      |
| 6   | 6        |  |       | 36       |  |       | 66       |  |       | 96                           |  |                               | 126      |                                 |       | 156      |
| 7   | 7        |  |       | 37       |  |       | 67       |  |       | 97                           |  |                               | 127      |                                 |       | 157      |
| 8   | 8        |  |       | 38       |  |       | 68       |  |       | 98                           |  |                               | 128      |                                 |       | 158      |
|   | 9        |  |       | 39       |  |       | 69       |  |       | 99                           |  |                               | 129      |                                 |       | 159      |
|   | 10       |  |       | 40       |  |       | 70       |  |       | 100                          |  |                               | 130      |                                 |       | 160      |
|   | 11       |  |       | 41       |  |       | 71       |  |       | 101                          |  |                               | 131      |                                 |       | 161      |
|   | 12       |  |       | 42       |  |       | 72       |  |       | 102                          |  |                               | 132      |                                 |       | 162      |
|   | 13       |  |       | 43       |  |       | 73       |  |       | 103                          |  |                               | 133      |                                 |       | 163      |
|   | 14       |  |       | 44       |  |       | 74       |  |       | 104                          |  |                               | 134      |                                 |       | 164      |
|   | 15       |  |       | 45       |  |       | 75       |  |       | 105                          |  |                               | 135      |                                 |       | 165      |
|   | 16       |  |       | 46       |  |       | 76       |  |       | 106                          |  |                               | 136      |                                 |       | 166      |
|   | 17       |  |       | 47       |  |       | 77       |  |       | 107                          |  |                               | 137      |                                 |       | 167      |
|   | 18       |  |       | 48       |  |       | 78       |  |       | 108                          |  |                               | 138      |                                 |       | 168      |
|   | 19       |  |       | 49       |  |       | 79       |  |       | 109                          |  |                               | 139      |                                 |       | 169      |
|   | 20       |  |       | 50       |  |       | 80       |  |       | 110                          |  |                               | 140      |                                 |       | 170      |
|   | 21       |  |       | 51       |  |       | 81       |  |       | 111                          |  |                               | 141      |                                 |       | 171      |
|   | 22       |  |       | 52       |  |       | 82       |  |       | 112                          |  |                               | 142      |                                 |       | 172      |
|   | 23       |  |       | 53       |  |       | 83       |  |       | 113                          |  |                               | 143      |                                 |       | 173      |
|   | 24       |  |       | 54       |  |       | 84       |  |       | 114                          |  |                               | 144      |                                 |       | 174      |
|   | 25       |  |       | 55       |  |       | 85       |  |       | 115                          |  |                               | 145      |                                 |       | 175      |
|   | 26       |  |       | 56       |  |       | 86       |  |       | 116                          |  |                               | 146      |                                 |       | 176      |
|   | 27       |  |       | 57       |  |       | 87       |  |       | 117                          |  |                               | 147      |                                 |       | 177      |
|   | 28       |  |       | 58       |  |       | 88       |  |       | 118                          |  |                               | 148      |                                 |       | 178      |
|   | 29       |  |       | 59       |  |       | 89       |  |       | 119                          |  |                               | 149      |                                 |       | 179      |
|   | 30       |  |       | 60       |  |       | 90       |  |       | 120                          |  |                               | 150      |                                 |       | 180      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 181      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 182      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 183      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 184      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 185      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 186      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 187      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 188      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 189      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 190      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 191      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 192      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 193      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 194      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 195      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 196      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 197      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 198      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 199      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 200      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 201      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 202      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 203      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 204      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 205      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 206      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 207      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 208      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 209      |
|   |          |  |       |          |  |       |          |  |       |                              |  |                               |          |                                 |       | 210      |